

7.1.5 Waste Management steps including:

- *Solid waste management*
- *Liquid waste management*
- *E-waste management*

DEI is strongly committed towards waste management. It advocates conservation of resources, especially natural resources, to generate minimal waste and manage it from its inception to its final disposal.

It segregates waste into solid, liquid and e-waste.

Solid Waste: Routine waste is daily collected in dustbins at different locations, which are emptied in movable containers and carts, segregated into different types of bio and non-bio degradable waste and taken to the dumping yard.

DEI has undertaken joint initiatives with a local NGO, Society for Preservation of Healthy Environment and Ecology and Heritage of Agra (SPHEEHA), to reduce the adverse effects of waste on health, the environment or aesthetics of select areas in Agra.

Efforts for Waste Management include the following:

- *Organic composting of household waste.*
- *Vermi-Composting of garden/organic waste.*
- *Recycling of paper and other materials.*
- *Stopping or limiting the usage of non-biodegradable material like plastic bags.*
- *Involving professionals, practitioners, researchers, policy makers, concerned citizens, academicians and NGO's.*
- *A 150 Cum Bio-Gas Plant is installed in Dairy Campus for production of Bio Gas using Cow Dung. The Bio Gas is then used to generate electricity for lighting and heating applications at Dairy Plant and Gowshala. Operation and maintenance, vermi-composting and composting using bio waste is done by students.*

Liquid Waste: Liquid waste generated in the institute is treated in septic tanks and disposed into soak pits. The institute has implemented the Biodigester technology at some places, which is environment friendly, maintenance free, efficient and does not depend on conventional energy sources. Biodigesters remove the waste in water that is then used for gardening in the Institute. The institute is making efforts to implement this technology throughout the campus and also re-design the existing systems to efficiently manage liquid waste.

e-Waste Management

The institute exercises the buyback option for the purchase of new equipment for technology upgradation. Waste generated from old computer parts have also been used to construct artifacts to enhance the aesthetic appeal in the campus.

A B.Voc. programme on Water, Sanitation and Waste Management has been started to innovate technologies for effective waste management. Best out of Waste Competitions are also organized to encourage waste management.

Links

Smart Waste Management

<https://www.dei.ac.in/dei/files/NAAC%20Self%20Qualitative%20Assessment/Smart%20Waste%20Management%207.1.5.pdf>

Waste Management Brochure

- <https://www.dei.ac.in/dei/files/NAAC%20Self%20Qualitative%20Assessment/Waste%20Management%20Brochure%207.1.5/page%201%20final.jpg>
- <https://www.dei.ac.in/dei/files/NAAC%20Self%20Qualitative%20Assessment/Waste%20Management%20Brochure%207.1.5/page%202%20final.jpg>